Description

The Halo RL4 SeleCCTable™ is a complete LED Baffle-Trim Module for 4-inch aperture recessed downlights; suitable for new construction, remodel and retrofit installation. Using the CCT selectable switch users can chose between five different color temperatures. The lens provides uniform illumination and wet location listing. Precision construction makes any housing AIR-TITE for added savings and code compliance.

HALO™

Catalog #		Type
Project		
Comments		Date
Prepared by		

Specification Features

CCT Select System
- Use the switch to choose between 2700K, 3000K, 3500K, 4000K, and 5000K CCT.

Module - Trim
- Module construction includes LED array, heat sink, reflector, lens, baffle and trim ring.
- Regressed baffle
- Heat sink designed to conduct heat away from the LED array, keeping the junction temperatures below specified maximums, even when installed in insulated ceiling environments.

LED Array
- Mid power LED array provides a uniform source with high efficiency and no pixilation.
- 90 CRI minimum, R9 greater than 50
- Color accuracy at 4 SDCM in between endpoints, provide color accuracy and uniformity.
- Color Temperature (CCT) has a selectable range from 2700K to 5000K (factory default 3000K)

Optical Assembly
- Regressed lens
- Impact-resistant polycarbonate
- Convex form and lamp-like appearance
- Diffuse for even illumination

Driver
- Integral 120V 60 Hz constant current driver provides noise free operation
- Continuous, flicker-free dimming from 100% to 5%.
- Inline electrical quick connect and E26 adapter (provided) provides mains connections
- See Dimming Guide for compatible dimmers

Retention
- Push-N-Twist universal installation clips
- Clips are pre-installed and designed to fit 4″ compatible recessed housings

Designer Skins (sold separately)
- RL4 skins are accessory rings that attach to the RL4 for a permanent finish. Refer to the RL4 accessories specification sheet for details.
  - White (Paintable)
  - Satin Nickel
  - Tuscan Bronze

Gaskets
- Closed cell gaskets achieve restrictive airflow requirements without additional caulking

Compliance
- UL Certified
- Wet and Damp location listed
- Airtight certified per ASTM-E283
- Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements
- EMI/RFI emissions per FCC 47CFR Part 15 consumer limits
- Contains no mercury or lead and RoHS compliant
- Photometric testing in accordance with IES LM-79-08
- Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11
- Can be used for State of California Title 24 high efficacy luminaire compliance. Complies with Title 24 JA8-2016-E.
- Can be used International Energy Conservation Code (IECC) high efficiency luminaire compliance.
- ENERGY STAR® listed, reference database for current listings

Warranty
Five year limited warranty, consult website for details.
www.eaton.com/lighting/legal

RL4069S1EWH

RL4099S1EWH

RL4

4-Inch All-Purpose LED Retrofit Module with SeleCCTable switch

up to 1006 lumens

FOR USE IN INSULATED CEILING AND NON- INSULATED CEILING RATED HOUSINGS

HIGH-EFFICACY LED WITH INTEGRAL DRIVER - DIMMABLE

5 seleCCTable™ colors
2700K • 3000K • 3500K
4000K • 5000K

ENERGY STAR

Can be used for IECC International Energy Conservation Code High Efficacy Compliance

Efficiency Standards T24 Can be used to comply with 2016 Title 24 Part 6 LED Enclosed Light Source Requirements (JA8)

Efficiency Standards T20 California Title 20 Certified LED Tier 1 Lamp

RoHS

Refer to ENERGY STAR® Certified Products List. Can be used to comply with California Title 24 High Efficacy requirements. Certified to California Appliance Efficiency Database under JA8.
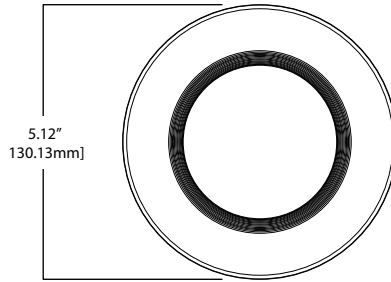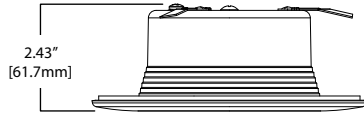
UL CERTIFIED SAFETY

Showerlight

air-tite™

Energy Data

RL4069S1EWH	
Max. Lumens	621 @ 4000K
Input Voltage	120V
Input Frequency	50/60 Hz
Input Power	7.6W
Input Current	0.075A - 0.0875A (Per input power)
Power Factor	>0.90
THD	<20%
EMI/RFI	FCC Title 47 CFR, Part 15, Class B (Consumer)
Sound Rating	Class A
Minimum Starting Temp	-30°C (-22°F)

RL4099S1EWH	
Max. Lumens	1006 @ 5000K
Input Voltage	120V
Input Frequency	50/60 Hz
Input Power	11.7W
Input Current	0.075A - 0.0875A (Per input power)
Power Factor	>0.90
THD	<20%
EMI/RFI	FCC Title 47 CFR, Part 15, Class B (Consumer)
Sound Rating	Class A
Minimum Starting Temp	-30°C (-22°F)

F·T·N
Powering Business Worldwide

Dimensions

600 Series

2.43"
[61.7mm]

5.12"
130.13mm

Ordering Information

SAMPLE NUMBER: RL4069S1EWH
A complete luminaire consists of a housing, and LED module, order separately.

Models	Lumens	CRI/CCT	Driver	Finish	Accessories
RL4= 4" all- purpose retrofit LED module	**06**=600 lumens (nominal) **09**=900 lumens (nominal)	**9S**=90 CRI minimum, white tuning, selectable CCT 2700K-5000K	**1E**=120V 60Hz leading or trailing edge phase cut 1% dimming	**WH**=Matte white baffle	**RL4TRMWHB** =4" White Paintable Trim Ring, Baffle **RL4TRMSNB** =4" Satin Nickel Trim Ring, Baffle **RL4TRMTBZB** =4" Tuscan Bronze Trim Ring, Baffle **RL4TRMWH** =4" White Paintable Trim Ring **RL4TRMSN** =4" Satin Nickel Trim Ring **RL4TRMTBZ** =4" Tuscan Bronze Trim Ring

Housings

Halo Ultra-shallow LED Housings
H245ICAT=4" IC, airtight ultra-shallow new construction housing, LED, 120 - 277V
H245RICAT=4" IC, airtight ultra-shallow remodeler housing, LED, 120 - 277V

Halo LED Housings
H995ICAT=4" IC, airtight shallow new construction housing, LED, 120 - 277V
H995RICAT=4" IC, airtight shallow remodeler housing, LED, 120 - 277V

Halo Housings
H99TAT=4" non-IC, airtight shallow new construction housing, E26, 120V
H99RTAT=4" non-IC, airtight shallow remodeler housing, E26, 120V
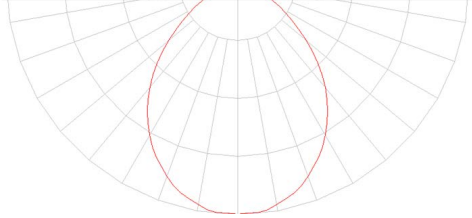**H99ICAT**=4" IC, airtight shallow new construction housing, E26, 120V
E4TATSB=4" non-IC, airtight shallow new construction housing, adjustable socket bracket, E26, 120V
E4RTATSB=4" non-IC, airtight shallow remodeler housing, adjustable socket bracket, E26, 120V
E4ICATSB=4" non-IC, airtight shallow new construction housing, adjustable socket bracket, E26, 120V
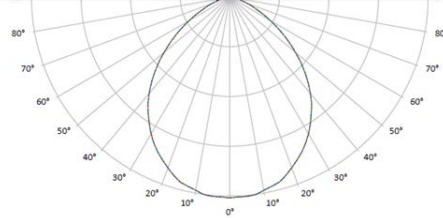
Photometric Data

RL4069S1EWHR-3000K		
Luminaire lumens		575
Input watts		7.6
LER (LPW)		75.7
Spacing Criteria	0-180	1.18
	90-270	1.18
	Diagonal	1.26
Beam angle (degrees)		93.1
Field angle (degrees)		141.1
Zonal lumen	Lumens	% Lumens
0-30	203	35.3
0-40	322	56
0-60	511	88.8
0-90	575	100

RL4099S1EWHR-3000K		
Luminaire lumens		915
Input watts		11.7
LER (LPW)		78.2
Spacing Criteria	0-180	1.17
	90-270	1.17
	Diagonal	1.25
Beam angle (degrees)		93
Field angle (degrees)		141.1
Zonal lumen	Lumens	428
0-30	323	35.3
0-40	512	56
0-60	813	88.8
0-90	915	100

* Tested in accordance with IES LM63. Field results may vary.

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Color Metric Summary

TM-30-15	Rf = 91.1
	Rg = 100.9
CRI/CIE	Ra = 93.1
	R9 = 64.9

93°

CCT - Range of 2700K- 5000K

warm ← → cool

Color Metric Summary

TM-30-15	Rf = 91.1
	Rg = 100.9
CRI/CIE	Ra = 93.1
	R9 = 64.9

93°

CCT - Range of 2700K- 5000K

warm ← → cool

Product Specifications

PRODUCT SPECIFICATIONS

Lumens	575
Watts	7.6
Lumens Per Watt (Efficacy)	75.66
Color Accuracy (CRI)	91
Light Color (CCT) Correlated Color Temperature (CCT)	3000K

warm white | soft white | bright white
2700K | 3000K | 4500K | 6500K

PRODUCT SPECIFICATIONS

Lumens	915
Watts	11.7
Lumens Per Watt (Efficacy)	78.2
Color Accuracy (CRI)	92
Light Color (CCT) Correlated Color Temperature (CCT)	3000K

warm white | soft white | bright white
2700K | 3000K | 4500K | 6500K